## 05-15-1998

Form PTO-1595



U.S DEPARTMENT OF COMMERCE

To the Honorable Commissioner of Patents and Trademarks	. Please record the	attached original documents or copy there
<ol> <li>Name of conveying party(ies):</li> </ol>	2. Name and addr	ress of receiving party(ies)?
Mitsuhiro HORIKAWA and Masahito WATANABE	Name:	NEC CORPORATION
Additional name(s) of conveying party(ies) attached? yes no	Street Address:	
3. Nature of Conveyance:	Additional name(s) & address(es) attached?	
X Assignment Merger		<u> </u>
Security Agreement Change of Name		
Other		
Execution Date: April 28, 1998		
4. Application number(s) or patent number(s):		
If this document is being filed together with a new app	olication, the executi	ion date of the application is: 04/28/98
A. Patent Application No.(s)	B. Patent No(s).	
Additional numbers	attached?Yes	No
5. Name and address of party to whom correspondence concerning document should be mailed:  J. Frank Osha, Esq. SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3202	6. Total number	of applications and patents involved: One
	7. Total Fee (37 CFR 3.41): \$\(\frac{40.00}{\text{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\tinit}}\text{\texi{\text{\text{\text{\texi{\text{\texi{\text{\text{\text{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\text{\ti}\text{\texi{\texi{\texi{\texi{\texi{\texi{\ti	
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9. Statement and Signature.		
To the best of my knowledge and belief, the foregoing i copy of the original document.	nformation is true an	nd correct and any attached copy is a true
Jasle	May	y 7, 1998
J. Frank Osha, Reg. No. 24,625  TOTAL NUMBER OF PAGES CO		Date . ATTACHMENTS AND DOCUMENT: 2
OMB No. 0651-0011 (exp. 4/94)		
	detach this portion	

PATENT REEL: 9159 FRAME: 0574

## Assignment

Whereas, WWe, MITSUHIRO HORIKAWA and MASAHITO WATANABE Tokyo, Japan

of

hereinafter called assignor(s), have invented certain improvements in

SEMICONDUCTOR SUBSTRATE AND MANUFACTURING METHOD THEREOF

and executed an application for Letters Patent of the United States of America therefor on  $April\ 28$ , 19 98; and

Whereas.

NEC Corporation 7-1, Shiba 5-chome,

Minato-ku, Tokyo, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to

any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

\*\*We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee. Its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and \*\*We request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

(Legalization not required for recording but is prima facile evidence of execution under 35 U.S.C. §261)

8/92

PATENT

RECORDED: 05/07/1998

REEL: 9159 FRAME: 0575